

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

### Weekend Word Problem #4: Compliments

**Situation:** At WLPCS, if one student gives another student a compliment, that student will compliment two more students within fifteen minutes. If Ethan compliments Nate at 11:15 am, how many students (including Nate) are guaranteed to have received a compliment by 12:40 pm?

1. List the key and missing information in this problem in the table.

What do you KNOW?	What is UNKNOWN?

2. One of the recommended methods of solving this problem is by MAKING A PICTURE or DIAGRAM of the situation. Try extending the diagram below to help you solve the problem.

Solution: \_\_\_\_\_

**TURN PAPER OVER!!!!**

5. Write at least TWO complete sentences explaining your problem-solving process. If you were unable to solve the problem, explain the steps you took to try to solve the problem.

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6. Besides making a picture/diagram, describe another method that could work. Explain the method using at least TWO complete sentences. If you aren't sure of another method, explain why the picture/diagram works well in THREE COMPLETE SENTENCES.

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CHALLENGE: Given the same situation, how many students are guaranteed to receive a compliment by the end of tutorial (3:45 pm)?

